

High School to College and Career Pathways: Post-Secondary

Area of Study: Information Technology Education

Pathway: Programming/Software Development

Region: Wasatch Front North Region	Districts: Davis, Morgan, Ogden, Weber	School:	College/Institution: Weber State University Articulation Agreement in place? Yes X No
Contact Person: Janet James		Ph.#: (801)626-8547	Name of Degree or Certificate: <i>AAS in Computer Science</i>
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High School				College		
Course Number	High School Suggested Academic Courses	H.S. Credit	College Credits	Course Number	College General Education Requirements	College Credits
	CE Writing 1010*	1	3 →	ENGL EN 1010	Intro to Writing	3
				ENGL EN 2010	Intermediate Writing	3
	CE Communications 2110*	1	3 →	COMM HU 2110	Interpersonal & Small Group Communication	3
				Gen ED	Social Science Elective	3
				Gen Ed	Life Science	3
					Support Courses Required	
				MATH QL 1080	Pre-Calculus	4
				MATH 1630	Discrete Math	4

Note: This is a regional agreement. Some classes and some concurrent enrollment agreements may not be available in your particular high school. See your individual school for specific program offering. **Note:** *= concurrent ^= distant →=concurrent

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High School				College		
Course CIP #	CTE Pathway Courses (2.50 credits for completion)	H.S. Credit	College Credits	Course #	College Major Course Requirements	College Credits
Course #	Introductory Course: (preferred)	Credit				
11.0101	Information Technology, Introduction	.50				
	Foundation Courses: (2.50 credits required)					
52.0417 52.0419 52.0471	Computer Technology* Electronic Spreadsheets & Databases* Word Processing*	1.00	3 →	TBE 1700	Introduction to Microcomputer Applications (3-5) (partially fill requirement) OR 1701 Intro to Word Processing (1) 1702 Intro to Microcomp., E-Mail, OS, & Graphic Presentations (1) 1703 Intro to Spreadsheets (1) OR University Computer Literacy Exams (TBE: TA1501, TB1502 & TC1503)	3
11.0201	Computer Programming I*	1.00	4 →	CS 1030	Foundations of Computer Science	4
11.0202	Computer Programming II*	1.00	8 →	CS SI 1400 CS SI 1410	Fundamentals of Programming Object-Oriented Programming	4 4
	Elective Courses:					
11.9920	A+ (Computer Maintenance)**	1.00	4 →	CEET 1105	PC Fundamentals	4
11.0301	Database Development I	1.00				
11.0210	Multimedia I: Design & Development	1.00				
32.0199	Student Internship (Critical Workplace Skills)	.50				
	Additional Articulated Classes					
				CS SI2420	Introduction to Data Structures & Algorithms	4
				CS 2550	Database Design & Application Development	4
				CS SI 2650	Computer Architecture/Organization	4
				CS 2705	Network Fundamentals & Design	4
				CS 2899	Associate's Degree Assessment	0
				CS 3100	Operating Systems	4
				CS 3350	3350 Multimedia and the Internet	4
TOTAL Potential Credits Earned in High School			25	TOTAL Credits Required for Degree or Certificate		66

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** Credit is given if student has received the A+ Certificate